

Answer on Question #81572, Chemistry / Organic Chemistry

Question:

The structural formulas for the molecular formula C_7H_8Cl .

Answer:

This "molecule" has only C atoms (with even valency) and does not have atoms of N, P, B etc. (with odd valency). So the total quantity of H and Cl atoms must be even (they have valency 1). But there are 9 atoms of H and Cl. So this "molecule" cannot exist.